

Fig. 17a This photo shows the connection points between the two winding halves.

and the winding continues back over what was just laid down 180° back to the starting point, once again the rotation direction is reversed and one more layer is placed on top of the first two. The wind count is almost the same as the outer windings. There are 347 winds over three layers for each half of the coil with 117 winds on the first layer and 115 on the next two. After the first half of the core is wound the core was removed from the machine and flipped over, the other side was wound the same way as the first. String was used again to separate the winding halves.

This set of windings makes up the *line* side of

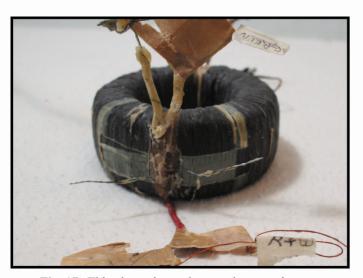


Fig. 17c This photo shows the actual connections.

Figs.17a/b/c show the connection details at the end of this pair of coil windings. The two winding halves are connected at the end of the wind. They were soldered and taped as shown in the photos. The breakout leads for this set of Litz wire coils are connected to the beginnings of the winds. The details for these windings are basically the same as the previous windings but since these windings end at the opposite from the breakout lead end, and there are three layers, the wind for this set of coils starts at the breakout lead end of the coil.

Here are the details for this set of windings: Starting at the breakout end the first winding half is begun continuing 180° to the opposite end of the core. The core rotation direction is reversed

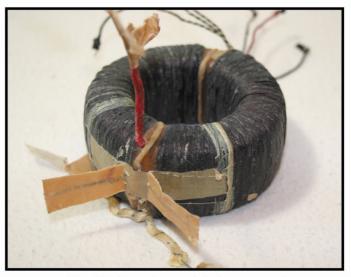


Fig. 17b Here the tape is being removed.

the transformer. One half starts at the point of connection of the blue & white breakout lead (terminal 4) and the brown & white lead (terminal 8). The starting point(s) for the other half are the connections to the solid brown and and solid blue breakout leads (terminals 3 & 7). When the end points of both coils are connected (Fig.17a/b/c) the complete line side of the transformer is established. The end of the coil that starts with the brown & white is attached to the end of the coil that starts with the brown wire (terminals 8 and 7 respectively). The end of the coil that starts at the blue & white breakout lead connects to the end of